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Cooperative
**ECONOMIC INSECT
REPORT**

Issued by

PLANT PEST CONTROL DIVISION

AGRICULTURAL RESEARCH SERVICE

UNITED STATES DEPARTMENT OF AGRICULTURE

AGRICULTURAL RESEARCH SERVICE

PLANT PEST CONTROL DIVISION

SURVEY AND DETECTION OPERATIONS

The Cooperative Economic Insect Report is issued weekly as a service to American Agriculture. Its contents are compiled from information supplied by cooperating State, Federal, and industrial entomologists and other agricultural workers. In releasing this material the Division serves as a clearing house and does not assume responsibility for accuracy of the material.

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COOPERATIVE ECONOMIC INSECT REPORT

Volume 14

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1964

INTRODUCTION

The explanations that follow will aid in using the 1964 index.

1. Page numbers underlined represent references to the "Summary of Insect Conditions in the United States - 1963."
2. Page numbers in parentheses represent loss estimates.
3. The small ° that follows the common name of certain species in the index indicates that the name is not listed in the "Common Names of Insects" as approved by the Entomological Society of America. However, most of these common names are of foreign species, and the common names used in the Cooperative Economic Insect Report were taken from literature sources from a country or countries where the species occurs.
4. Complete cross indexing of page references of insects with common names is not used. The "Scientific Names" should be used to locate all page references, with the exception of those insects or groups of insects where the scientific names were not reported. In these cases, the page reference will be listed in the "Common Names."
5. A combination of both common and scientific name of an insect or pest may not appear on the page referenced, but one or the other will be present.
6. A list of corrections for volume 14, not previously published, is on pages 41 and 42.

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(Plectrodera scalator)
- Cottony-cushion scale
(Icerya purchasi)
- Cottony maple scale
(Pulvinaria innumerabilis)
- Cowpea aphid
(Aphis craccivora)
- Cowpea curculio
(Chalcodermus aeneus)
- Cowpea weevil
(Callosobruchus maculatus)
- Cranberry fruitworm
(Acrobasis vaccinii)
- Cranberry girdler
(Crambus topiarius)
- Cranberry weevil
(Anthonomus musculus)
- Crane fly, a
714
- Crapemyrtle aphid
(Myzocallis kahawaluokalani)
- Crescent-marked lily aphid
(Neomyzus circumflexus)
- Crickets
22, 887, 971, 1054, 1074, 1084,
(1179)
- Crown borer, a
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- Cuban-laurel thrips
(Gynaikothrips ficorum)
- Cucumber beetles
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- Curculios
507, 544
- Currant aphid
(Capitophorus ribis)
- Currant borer
(Ramosia tipuliformis)
- Currant fruit weevil
(Pseudanthrenus validus)
- Currant stem girdler
(Janus integer)
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258, 261, 262, 269, 368, 403,
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940, 999, 1023, 1087, 1127, 1138,
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(1247), (1248), (1249), (1287),
(1289), (1290)
- Cyclamen mite
(Steneotarsonemus pallidus)
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- Damsel bugs
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- Dark mealworm
(Tenebrio obscurus)
- Dark-sided cutworm
(Euxoa messoria)
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- Deodar weevil
(Pissodes nemorensis)
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- Desert corn flea beetle
(Chaetocnema ectypa)
- Desert locust
(Schistocerca gregaria)
- Desert spider mite
(Tetranychus desertorum)
- Devastating grasshopper
(Melanoplus devastator)
- Diamondback moth
(Plutella maculipennis)
- Dictyospermum scale
(Chrysomphalus dictyospermi)
- Differential grasshopper
(Melanoplus differentialis)

Dingy cutworm
(*Feltia subgothica*)
Dog flea
(*Ctenocephalides canis*)
Dog follicle mite
(*Demodex canis*)
Dogwood borer
(*Thamnospectia scitula*)
Dogwood club-gall midge
(*Mycodiplosis alternata*)
Dogwood scale
(*Chionaspis corni*)
Dogwood twig borer
(*Oberea tripunctata*)
Douglas-fir beetle
(*Dendroctonus pseudotsugae*)
Douglas-fir tussock moth
(*Hemerocampa pseudotsugata*)
Douglas-fir twig weevil
(*Cylindrocopturus furnissi*)
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(*Aphis sorghi*)
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(*Croesus latitarsus*)
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(*Carpophilus lugubris*)

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(*Limoniopsis agonus*)
Eastern lubber grasshopper
(*Romalea microptera*)
Eastern raspberry fruitworm
(*Byturus rubi*)
Eastern spruce gall aphid
(*Chermes abietis*)
Eastern subterranean termite
(*Reticulitermes flavipes*)
Eastern tent caterpillar
(*Malacosoma americanum*)
Eggplant flea beetle
(*Epitrix fuscata*)
Eggplant fruit borer^o
(*Leucinodes orbonalis*)
Eggplant lace bug
(*Gargaphia solani*)
Eggplant leaf miner
(*Keiferia glochinaella*)
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(*Prodenia litura*)
Eight-spotted forester
(*Alypia octomaculata*)
Elm borer
(*Saperda tridentata*)
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(*Calligrapha scalaris*)
Elm cockscomb-gall aphid
(*Colopha ulmicola*)
Elm leaf aphid
(*Myzocallis ulmifolia*)
Elm leaf beetle
(*Galerucella xanthomelaena*)
Elm leaf miner
(*Fenusa ulmi*)

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(*Cimbex americana*)
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(*Ennomos subsignarius*)
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(*Systema elongata*)
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(*Dendroctonus engelmanni*)
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(*Macrosiphum avenae*)
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(*Yponomeuta padella*)
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(*Unaspis euonymi*)
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(*Hoplocampa testudinea*)
European carrot borer^o
(*Phalonia zephyrana*)
European chafer
(*Amphimallon majalis*)
European corn borer
(*Ostrinia nubilalis*)
European cherry fruit fly^o
(*Rhagoletis cerasi*)
European earwig
(*Forficula auricularia*)
European elm scale
(*Gossyparia spuria*)
European fruit lecanium
(*Lecanium corni*)
European peach scale
(*Lecanium persicae*)
European pine sawfly
(*Neodiprion sertifer*)
European pine shoot moth
(*Rhyacionia buoliana*)
European red mite
(*Panonychus ulmi*)
European spruce sawfly
(*Diprion hercyniae*)
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(*Spilonota ocellana*)

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(*Musca autumnalis*)
Fall armyworm
(*Spodoptera frugiperda*)
Fall cankerworm
(*Alsophila pometaria*)
Fall webworm
(*Hyphantria cunea*)
False chinch bug
(*Nysius ericae*)
False codling moth^o
(*Cryptophlebia leucotreta*)
False potato beetle
(*Leptinotarsa juncta*)
Fern scale
(*Pinnaspis aspidistrae*)
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(*Calosoma calidum*)
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(*Lepidosaphes ficus*)
Filbert aphid
(*Myzocallis coryli*)
Filbertworm
(*Melissopus latiferreanus*)
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(*Scolytus ventralis*)
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(*Solenopsis geminata*)
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(*Cryptolestes pusillus*)
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(*Chrysobothris femorata*)
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(*Melanophila drummondii*)

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23, 224, 225, (226), 249, 262,
404, 438, 473, 511, 549, 550,
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692, 726, 753, 761, 799, 802,
874, 940, 1189, 1233, 1234,
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(*Pogonomyrmex badius*)
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(*Chrysomphalus aonidum*)
Florida wax scale
(*Ceroplastes floridensis*)
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484, 524, 560, 851, 1055, 1137,
1227, 1243
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(*Caenurgina erechtea*)
Forbes scale
(*Aspidiotus forbesi*)
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(*Ahasverus advena*)
Forest tent caterpillar
(*Malacosoma disstria*)
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(*Coptotermes formosanus*)
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(*Poecilocapsus lineatus*)
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(*Tetranychus canadensis*)
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848
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(*Anthrenus flavipes*)

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(*Bourletiella hortensis*)
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(*Scutigera immaculata*)
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(Achatina fulica)
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(Longistigma caryae)
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(Vespa crabro germana)
Giant stag beetle
(Lucanus elaphus)
Giant water bug
(Lethocerus americanus)
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(Taeniothrips simplex)
Glassy cutworm
(Crymodes devastator)
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(Lecanium prunastri)
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(Chrysomphalus tenebricosus)
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(Chrysopa oculata)
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(Sitophilus granarius)
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(Feltia subterranea)
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(Paralobesia viteana)
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(Eriophyes vitis)
Grape flea beetle
(Altica chalybea)
Grape leaf folder
(Desmia funeralis)
Grape leaf skeletonizer
(Harrisina americana)
Grape mealybug
(Pseudococcus maritimus)
Grape phylloxera
(Phylloxera vitifoliae)
Grape plume moth
(Pterophorus periscelidactylus)
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(Vitacea polistiformis)
Grape scale
(Aspidiotus uvae)
Grapevine aphid
(Aphis illinoisensis)
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101, 103, 104, 200, 205, 269, 311,
351, 369, 401, 435, 497, 513,
(527), 533, 565, (594), 601, 637,
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830, (857), 861, 862, 897, 909,
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1016, (1038), 1043, 1063, 1084,
1109, 1137, 1142, 1143, 1163,

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(Deroceras reticulatum)
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(Malacosoma fragile)
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(Ctenicera pruinina)
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(Aspidiotus camelliae)
Gregarious oak leaf miner
(Cameraria cinnantiella)
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(Plathypena scabra)
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(Lithophane antennata)
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(Cotinis nitida)
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(Myzus persicae)
Green scale
(Coccus viridis)
Green shield scale
(Pulvinaria psidii)
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(Cinara fornacula)
Green stink bug
(Acrosternum hilare)
Green-striped grasshopper
(Chortophaga viridifasciata)
Green-striped mapleworm
(Anisota rubicunda)
Greenbug
(Schizaphis graminum)
Greenhouse leaf tier
(Udea rubigalis)
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(Orthesia insignis)
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(Trialeurodes vaporariorum)
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(Pachypsylla celtidismamma)
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(Phobetron pithecium)
Hairy chinch bug
(Blissus leucopterus hirtus)
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(Nilotaspis halli)
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(Murgantia histrionica)
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(Corythucha cydoniae)
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(Pediculus humanus capitis)
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(Lambdina fiscellaria)
Hessian fly
(Phytophaga destructor)

Hibiscus mealybug^c
("Phenacoccus" hirsutus)
Hickory horned devil
(Citheronia regalis)
Hickory plant bug
(Lygocoris caryae)
Hickory shuckworm
(Laspeyresia caryana)
Hide beetle
(Dermestes maculatus)
Hog louse
(Haematopinus suis)
Holly leaf miner
(Phytomyza ilicis)
Holly scale
(Aspidiotus britannicus)
Hollyhock weevil
(Apion longirostre)
Honey bee
(Apis mellifera)
Hop aphid
(Phorodon humuli)
Hop flea beetle
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(Dermatobia hominis)
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524
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(Pieris rapae)
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(Nematus ribesii)
Imported fire ant
(Solenopsis saevissima richteri)
Imported willow leaf beetle
(Plagioderia versicolora)
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(Diprion similis)
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(Plodia interpunctella)
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(Automeris io)
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(Macronoctua onusta)
Italian locust
(Calliptamus italicus)
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(Epidiaspis piricola)

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(Neodiprion pratti banksianae)

Japanese beetle
(*Popillia japonica*)
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(*Oligonychus exsiccator*)
Jeffrey pine beetle
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(*Diaspis carueli*)
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484, 560, 667, 701, 739, 778,
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1117, 1137, 1217
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(*Teleonemia scrupulosa*)
Lantana seed fly
(*Ophiomyia lantanae*)
Larch casebearer
(*Coleophora laricella*)
Larch sawfly
(*Pristophora erichsonii*)
Larder beetle
(*Dermestes lardarius*)
Large aspen tortrix
(*Choristoneura conflictana*)
Large white butterfly^o
(*Pieris brassicae*)
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Larger elm leaf beetle
(*Monocasta coryli*)
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(*Hypera nigrirostris*)
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(*Elasmopalpus lignosellus*)
Lesser grain borer
(*Rhyzopertha dominica*)
Lesser mealworm
(*Alphitobius diaperinus*)
Lesser peach tree borer
(*Synanthedon pictipes*)
Lesser pumpkin fly^o
(*Dacus ciliatus*)
Lettuce root aphid
(*Pemphigus bursarius*)
Lilac borer
(*Podosesia syringae syringae*)
Lilac leaf miner
(*Gracilaria syringella*)
Lima-bean pod borer
(*Etiella zinckenella*)
Lima-bean vine borer
(*Monopitilota pergratialis*)
Linden looper
(*Erannia tiliaria*)
Little black ant
(*Monomorium minimum*)
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Locust borer
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Locust leaf miner
(*Xenochalepus dorsalis*)
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(*Pseudococcus adonidum*)
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(*Sternonchetus mangiferae*)
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Maize stalk borer^o
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(*Vasates quadripedes*)
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(*Epicauta pestifera*)
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542, 613, 698, 721, 970, 996,
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(Cyclocephala borealis)
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(Gryllotalpa hexadactyla)
Norway-maple aphid
(Periphyllus lyropictus)
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(Spodoptera exempta)
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(Lytta nuttallii)

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Oak lace bug
(Corythucha arcuata)
Oak lecanium
(Lecanium quercifex)
Oak skeletonizer
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Oak webworm
(Archips fervidanus)
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(Heterodera avenae)
Oblique-banded leaf roller
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Obscure scale
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Orchard mites
718, 758, 797, 969, 1020
Oriental cockroach
(Blatta orientalis)
Oriental fruit fly
(Dacus dorsalis)
Oriental fruit moth
(Grapholitha molesta)
Oystershell scale
(Lepidosaphes ulmi)

P

Pacific Coast tick
(Dermacentor occidentalis)
Pacific Coast wireworm
(Limonijs canus)
Pacific dampwood termite
(Zootermopsis angusticollis)
Pacific flatheaded borer
(Chrysobothris mali)
Pacific spider mite
(Tetranychus pacificus)
Packard grasshopper
(Melanoplus packardii)
Painted hickory borer
(Megacyllene caryae)
Painted leafhopper
(Endria inimica)
Painted maple aphid
(Drepanaphis acerifoliae)
Pale-striped flea beetle
(Systema blanda)
Pale-striped flea beetles
(595)
Pale tussock moth
(Halisidota tessellaris)
Pale western cutworm
(Agrotis orthogonia)
Pales weevil
(Hylobius pales)
Pamphiliid sawfly, a
979
Pandora moth
(Coloradia pandora)
Papaya fruit fly
(Toxotrypana curvicauda)

Parasitic hymenopterons
134, 387, 412, 1212, 1227
Parasitic wasps
485, 820
Parlatoria date scale
(Parlatoria blanchardi)
Pavement ant
(Tetramorium caespitum)
Pea aphid
(Acyrtosiphon pisum)
Pea leaf weevil
(Sitona lineata)
Pea weevil
(Bruchus pisorum)
Peach fruit moth^o
(Carposina niponensis)
Peach silver mite
(Aculus cornutus)
Peach tree borer
(Sanninoidea exitiosa)
Peach twig borer
(Anarsia lineatella)
Pear lace bug^o
(Stephanitis pyri)
Pear leaf blister mite
(Eriophyes pyri)
Pear psylla
(Psylla pyricola)
Pear rust mite
(Epitrimerus pyri)
Pear-slug
(Caliroa cerasi)
Pear thrips
(Taeniothrips inconsequens)
Pecan aphids
198, 649
Pecan bud moth
(Gretchena bolliana)
Pecan leaf casebearer
(Acrobasis juglandis)
Pecan leaf phylloxera
(Phylloxera notabilis)
Pecan leafroll mite
(Aceria caryae)
Pecan nut casebearer
(Acrobasis caryae)
Pecan phylloxera
(Phylloxera devastatrix)
Pecan spittlebug
(Clastoptera achatina)
Pecan weevil
(Curculio caryae)
Pepper maggot
(Zonosemata electa)
Pepper weevil
(Anthonomus eugenii)
Persimmon psylla
(Trioza diospyri)
Pharaoh ant
(Monomorium pharaonis)
Phlox plant bug
(Lopidea davisi)
Pickleworm
(Diaphania nitidalis)
Pigeon tremex
(Tremex columba)
Pillbugs
305, 509, 666, (1179)
Pine aphids
112, 241, 658
Pine bark aphid
(Pineus strobi)
Pine colaspis
(Colaspis pini)
Pine engraver
(Ips pini)
Pine leaf chermid
(Pineus pinifoliae)
Pine needle miner
(Exoteleia pinifoliella)
Pine needle scale
(Phenacaspis pinifoliae)

Pine root collar weevil
(*Hylobius radicis*)
Pine shoot moth, a
846
Pine spittlebug
(*Aphrophora parallela*)
Pine tip moths
213, 808, 977, 1240
Pine tortoise scale
(*Toumeyella numismaticum*)
Pine tussock moth
(*Dasychira plagiata*)
Pine webworm
(*Tetralopha robustella*)
Pineapple scale
(*Diaspis bromeliae*)
Pink bollworm
(*Pectinophora gossypiella*)
Pink scavenger caterpillar
(*Sathrobrotia rileyi*)
Pink-striped oakworm
(*Anisota virginensis*)
Pink sugarcane mealybug
(*Trionymus sacchari*)
Pitch-pine tip moth
(*Rhyacionia rigidana*)
Plant bugs
151, 164, 189, 251, 371, 402,
568, 644, 677, 696, 715, 729,
768, 806, 844, 878, 914, 946,
975, 1025, 1071, (1122), 1143,
(1216), 1232, (1248), (1250),
(1287)
Planthoppers
165
Plum curculio
(*Conotrachelus nenuphar*)
Plum gouger
(*Anthonomus scutellaris*)
Plum rust mite
(*Aculus fockeui*)
Plume moths
355
Poplar-and-willow borer
(*Sternochetus lapathi*)
Poplar petiole gall aphid
(*Pemphigus populitransversus*)
Poplar twig gall aphid
(*Pemphigus populiramulorum*)
Poplar vagabond aphid
(*Mordwilkoja vagabunda*)
Potato aphid
(*Macrosiphum euphorbiae*)
Potato flea beetle
(*Epitrix cucumeris*)
Potato leafhopper
(*Empoasca fabae*)
Potato psyllid
(*Paratrioza cockerelli*)
Potato stalk borer
(*Trichobaris trinotata*)
Potato tuberworm
(*Gnorimoschema operculella*)
Powder-post beetles
318, 380, 738
Praying mantids
147, 589
Predaceous stink bugs
1133
Predaceous thrips
739
Predators
921, 1030, 1055, 1093
Privet mite
(*Brevipalpus obovatus*)
Privet thrips
(*Dendrothrips ornatus*)
Pseudoscorpions
392
Psocids
90, 852, 1194, 1211, 1276, 1277
Psyllids
24, 556
Pumpkin caterpillar
(*Diaphania indica*)

Purple scale
(*Lepidosaphes beekii*)
Purple-spotted lily aphid
(*Macrosiphum lilii*)
Puss caterpillar
(*Megalopyge opercularis*)
Putnam scale
(*Aspidiotus ancyllus*)
Pyriform scale
(*Protopulvinaria pyrifomis*)

Q

Quince curculio
(*Conotrachelus crataegi*)

R

Raisin moth
(*Cadra figulilella*)
Range caterpillar
(*Hemileuca oliviae*)
Rapid plant bug
(*Adelphocoris rapidus*)
Raspberry cane borer
(*Oberia bimaculata*)
Raspberry cane maggot
(*Pegomya rubivora*)
Raspberry crown borer
(*Bembecia marginata*)
Raspberry sawfly
(*Monophadnoides geniculatus*)
Red-admiral
(*Vanessa atalanta*)
Red-backed cutworm
(*Euxoa ochrogaster*)
Red-banded leaf roller
(*Argyrotaenia velutinana*)
Red-banded thrips
(*Selenothrips rubrocinctus*)
Red elm bark weevil
(*Magdalis armicollis*)
Red flour beetle
(*Tribolium castaneum*)
Red harvester ant
(*Pogonomyrmex barbatus*)
Red-headed ash borer
(*Neoclytus acuminatus*)
Red-headed pine sawfly
(*Neodiprion lecontei*)
Red-humped caterpillar
(*Schizura concinna*)
Red-legged flea beetle
(*Derocrepis erythropus*)
Red-legged grasshopper
(*Melanoplus femurrubrum*)
Red-legged ham beetle
(*Necrobia rufipes*)
Red-necked cane borer
(*Agrilus ruficollis*)
Red-necked peanutworm
(*Stegasta bosqueella*)
Red-pine cone beetle
(*Conophthorus resinosae*)
Red-pine scale
(*Matsucoccus resinosae*)
Red pumpkin beetle
(*Raphidopalpa foveicollis*)
Red turnip beetle
(*Entomoscelis americana*)
Redberry mite
(*Aceria essigi*)
Regal moth
(*Citheronia regalis*)
Rhodes-grass scale
(*Antonina graminis*)
Rhododendron borer
(*Ramosia rhododendri*)

Rhubarb curculio
(*Lixus concavus*)
Rice delphacid
(*Sogata orizicola*)
Rice stalk borer
(*Chilo plejadellus*)
Rice stink bug
(*Oebalus pugnax pugnax*)
Rice water weevil
(*Lissorhoptrus oryzophilus*)
Rice weevil
(*Sitophilus oryzae*)
Ring-legged earwig
(*Euborellia annulipes*)
Robber fly, a
820
Rocky Mountain wood tick
(*Dermacentor andersoni*)
Root aphids
618, 972, (1246)
Rose aphid
(*Macrosiphum rosae*)
Rose chafer
(*Macroductylus subspinosus*)
Rose curculio
(*Rhynchites bicolor*)
Rose leafhopper
(*Edwardsiana rosae*)
Rose root-gall wasp
(*Diplolepis radicum*)
Rose scale
(*Aulacaspis rosae*)
Rose-slug
(*Endelomyia aethiops*)
Rose stem girdler
(*Agrilus rubicola*)
Rosy apple aphid
(*Anuraphis rosea*)
Rove beetle, a
1212
Rusty grain beetle
(*Cryptolestes ferrugineus*)
Rusty plum aphid
(*Hysteroneura setariae*)

S

Saddleback caterpillar
(*Sibine stimulea*)
Saddled prominent
(*Heterocampa guttivitta*)
Safflower fruit fly
(*Acanthophilus eluta*)
Sagebrush defoliator
(*Aroga websteri*)
Salt-marsh caterpillar
(*Estigmene acrea*)
Salt-marsh mosquito
(*Aedes sollicitans*)
San Jose scale
(*Aspidiotus perniciosus*)
Sand wireworm
(*Horistonotus uhleri*)
Sap beetles
134, 906, 1093
Saratoga spittlebug
(*Aphrophora saratogensis*)
Satin moth
(*Stilpnotia salicis*)
Saw-toothed grain beetle
(*Oryzaephilus surinamensis*)
Sawflies
27, 343, 371, 381, 437, 477,
611, 623, 725, 1137, (1288)
Say stink bug
(*Chlorochroa sayi*)
Scale insects
19, 110, 202, 213, 343, 350,
353, 357, (1175), 1189, 1307
Scarab larvae
(1289)

- Schoene spider mite
(*Tetranychus schoenei*)
- Scorpions
(1179)
- Screw-worm
(*Cochliomyia hominivorax*)
- Scurfy scale
(*Chionaspis fufura*)
- Secondary screw-worm
(*Cochliomyia macellaria*)
- Seed-corn beetle
(*Agonoderus lecontei*)
- Seed-corn beetle, a
590
- Seed-corn maggot
(*Hylemya platura*)
- Senn pest^o
(*Eurygaster integriceps*)
- Serpentine leaf miner, a
806
- Shallot aphid
(*Myzus ascalonicus*)
- Sharpshooter leafhopper, a
605
- Sheep bot fly
(*Oestrus ovis*)
- Sheep ked
(*Melophagus ovinus*)
- Sheep lice
299
- Sheep scab mite
(*Psoroptes ovis*)
- Short-nosed cattle louse
(*Haematopinus eurytenuis*)
- Shot-hole borer
(*Scolytus rugulosus*)
- Silky ant
(*Formica fusca*)
- Silver-spotted tiger moth
(*Halisidota argentata*)
- Silverfish
(*Lepisma saccharina*)
- Silverfish
25, (1179)
- Six-spotted leafhopper
(*Macrostelus fasciatus*)
- Six-spotted mite
(*Eotetranychus sexmaculatus*)
- Slugs
137, 253, 256, 264, 377, 465, 550,
688, 765, 1112, (1289)
- Smaller European elm bark beetle
(*Scolytus multistriatus*)
- Snails
22, 550, 579
- Sod webworms
162, 567, 590, 604
- Soil insects
745, (1198)
- Solitary oak leaf miner
(*Cameraria hamadryadella*)
- Solpugids
392, 820
- Sorghum midge
(*Contarinia sorghicola*)
- Sorghum webworm
(*Celama sorghicola*)
- Southern armyworm
(*Prodenia eridania*)
- Southern corn rootworm
(*Diabrotica undecimpunctata howardi*)
- Southern cornstalk borer
(*Diatraea crambidoides*)
- Southern fire ant
(*Solenopsis xyloni*)
- Southern green stink bug
(*Nezara viridula*)
- Southern house mosquito
(*Culex pipiens quinquefasciatus*)
- Southern lyctus beetle
(*Lyctus planicollis*)
- Southern masked chafer
(*Cyclocephala immaculata*)
- Southern pine beetle
(*Dendroctonus frontalis*)
- Southern pine sawyer
(*Monochamus titillator*)
- Southern potato wireworm
(*Conoderus falli*)
- Southern red mite
(*Oligonychus ilicis*)
- Southwestern corn borer
(*Zea diatraea grandiosella*)
- Sowbugs
(1179), 1212
- Soybean cyst nematode^o
(*Heterodera glycines*)
- Spider beetles
300
- Spider mites
13, 125, 136, 151, 162, 187,
196, 204, 259, 260, 263, 268,
270, 343, 353, 360, 376, 439,
556, 575, 585, 618, 656, 659,
689, 699, 728, 735, 760, 763,
766, 772, 803, 806, 813, 842,
844, 845, 866, 879, 906, 913,
917, 946, 975, 976, 979, 1002,
1026, 1028, 1051, 1053, 1071,
1083, 1089, 1110, 1131, (1181),
1231, (1250), (1266), 1307
- Spiders
1137
- Spinach flea beetle
(*Disonychia xanthomelas*)
- Spinach leaf miner
(*Pegomya hyoscyami*)
- Spiny bollworm^o
(*Earias insulana*)
- Spiny oakworm
(*Anisota stigma*)
- Spittlebugs
27, 164, 268, 504, 510, 549,
641, 754, 821, 881, 1019, 1085,
1137
- Springtails
79, 85, 148, 266, 300, 305,
448, 450, 501, 576, 627, 652,
666, 701, 703, 777, 1285
- Spotted alfalfa aphid
(*Therioaphis maculata*)
- Spotted asparagus beetle
(*Crioceris duodecimpunctata*)
- Spotted blister beetle
(*Epicauta maculata*)
- Spotted cucumber beetle
(*Diabrotica undecimpunctata howardi*)
- Spotted cutworm
(*Amathes c-nigrum*)
- Spotted garden slug
(*Limax maximus*)
- Spotted pine sawyer
(*Monochamus maculosus*)
- Spotted tussock moth
(*Halisidota maculata*)
- Spirea aphid
(*Aphis spiraeicola*)
- Spring cankerworm
(*Paleacrita vernata*)
- Spruce aphid
(*Aphis abietina*)
- Spruce bud scale
(*Physokermes piceae*)
- Spruce budworm
(*Choristoneura fumiferana*)
- Spruce needle miner
(*Taniva albolineana*)
- Spruce spider mite
(*Oligonychus unguis*)
- Square-necked grain beetle
(*Cathartus quadricollis*)
- Squash beetle
(*Epilachna borealis*)
- Squash bug
(*Anasa tristis*)
- Squash vine borer
(*Melittia cucurbitae*)
- Stable fly
(*Stomoxys calcitrans*)
- Stalk borer
(*Papaipema nebris*)
- Stem borer, a
22
- Stink bugs
160, 166, 168, 193, 232, 256,
616, 677, 714, 790, 797, 844,
868, 872, 913, 946, 967, 975,
1089, 1107, (1122), 1169, (1175)
- Strawberry aphid
(*Pentatrichopus fragaefolii*)
- Strawberry aphids
404
- Strawberry crown borer
(*Tyloderma fragariae*)
- Strawberry crown moth
(*Ramosia bibionipennis*)
- Strawberry leaf roller
(*Ancylics comptana fragariae*)
- Strawberry leaf rollers
875
- Strawberry root aphid
(*Aphis forbesi*)
- Strawberry root weevil
(*Brachyrhinus ovatus*)
- Strawberry rootworm
(*Paria fragariae*)
- Strawberry sawfly, a
653, 688
- Strawberry spider mite
(*Tetranychus atlanticus*)
- Strawberry weevil
(*Anthonomus signatus*)
- Strawberry whitefly
(*Trialeurodes packardii*)
- Striped cucumber beetle
(*Acalymma vittata*)
- Striped cutworm
(*Euxoa tessellata*)
- Striped flea beetle
(*Phyllotreta striolata*)
- Striped horse fly
(*Tabanus lineola*)
- Striped mealybug
(*Ferrisia virgata*)
- Subterranean termites
279, 339, 340, 379, 380, 522
- Suckfly
(*Cyrtopeltis notatus*)
- Sudan durra bug^o
(*Agonoscelis pubescens*)
- Sugar-beet root aphid
(*Pemphigus betae*)
- Sugar-beet root maggot
(*Tetanops myopaeformis*)
- Sugar-beet wireworm
(*Limonius californicus*)
- Sugarcane beetle
(*Eutheola rugiceps*)
- Sugarcane borer
(*Diatraea saccharalis*)
- Sunflower moth
(*Homoeosoma electellum*)
- Superb plant bug
(*Adelphocoris superbus*)
- Swallow bug
(*Oeciacus vicarius*)
- Sweetclover aphid
(*Therioaphis riehmi*)
- Sweetclover weevil
(*Sitona cylindricollis*)
- Sweetpotato flea beetle
(*Chaetocnema confinis*)
- Sweetpotato hornworm
(*Agrius cingulatus*)
- Sweetpotato leaf roller
(*Pilocrocis tripunctata*)
- Sweetpotato leaf beetle
(*Typophorus nigritus viridicyaneus*)

Sweetpotato weevil
(*Cylas formicarius elegantulus*)
Sweetpotato whitefly
(*Bemisia tabaci*)
Sycamore lace bug
(*Corythucha ciliata*)
Symphylans
270, 652, 678, 725
Syrphid flies
See flower flies

T

Tabanid flies
286, 294, 557, 586, 626, 664,
700, 737, 776, 814, 815, 886,
919, 981, 1005, 1054, 1073
Tachina flies
388
Tahitian coconut weevil
(*Diocalandra taitensis*)
Tarnished plant bug
(*Lygus lineolaris*)
Tea scale
(*Fiorinia theae*)
Ten-lined June beetle
(*Polyphyla decemlineata*)
Tent caterpillars
343, 477, 515, 649
Termites
23, 25, 26, 27, 115, 166, 179,
217, 244, 300, 1054, 1163, 1242
Terrapin scale
(*Lecanium nigrofasciatum*)
Texas citrus mite
(*Eutetranychus banksi*)
Texas leaf-cutting ant
(*Atta texana*)
Thief ant
(*Solenopsis molesta*)
Thirteen-spotted lady beetle
(*Hippodamia tredecimpunctata*
tibialis)
Three-cornered alfalfa hopper
(*Spissistilus festinus*)
Three-lined potato beetle
(*Lema trilineata*)
Three-spotted flea beetle
(*Disonychia triangularis*)
Thrips
23, 25, 123, 135, 136, 162,
169, 170, 201, 205, 226, 233,
253, 257, 259, 261, 264, 265,
269, 276, 313, 332, 334, 351,
359, 367, 373, 399, 404, 405,
433, 437, 439, 441, 450, 464,
473, 475, 510, 512, (527),
536, 548, 551, 569, 578, 580,
(594), 608, 616, 645, 654,
656, 677, 687, 690, 714, 717,
726, 729, 735, 757, 765, 768,
794, 803, 806, 842, 868, 902,
909, 942, 1023, 1138, (1174),
(1266), (1287)
Thurberia weevil
(*Anthonomus grandis thurberiae*)
Ticks
296, 447, 483, 700, 777, 1053,
1074, 1092, 1102, 1284
Tiger swallowtail
(*Papilio glaucus*)
Tobacco and tomato caterpillar^c
(*Prodenia litura*)
Tobacco budworm
(*Heliothis virescens*)
Tobacco flea beetle
(*Epitrix hirtipennis*)
Tobacco hornworm
(*Protoparce sexta*)
Tobacco moth
(*Ephestia elutella*)

Tobacco thrips
(*Frankliniella fusca*)
Tobacco wireworm
(*Conoderus vespertinus*)
Tomato hornworm
(*Protoparce quinquemaculata*)
Tomato pinworm
(*Keiferia lycopersicella*)
Tomato psyllid
(*Paratrioza cockerelli*)
Tomato russet mite
(*Aculus lycopersici*)
Tortoise beetles
578, 616, 802, 874
Transverse lady beetle
(*Coccinella transversoguttata*)
Trombidid mites
451
Tropical fowl mite
(*Ornithonyssus bursa*)
Tropical horse tick
(*Dermacentor nitens*)
Tropical rat mite
(*Ornithonyssus bacoti*)
Tuber flea beetle
(*Epitrix tuberis*)
Tulip bulb aphid
(*Anuraphis tulipae*)
Tuliptree aphid
(*Macrosiphum liriodendri*)
Tuliptree scale
(*Toumeyella liriodendri*)
Tumid spider mite
(*Tetranychus tumidus*)
Turnip aphid
(*Hyadaphis pseudobrassicae*)
Turnip maggot
(*Hylemya floralis*)
Tussock moths
355, 517, 725, 734
Twelve-spotted melon beetle^c
(*Epilachna chrysomelina*)
Twice-stabbed lady beetle
(*Chilocorus stigma*)
Twig borers
1028
Twig girdler
(*Oncideres cingulata*)
Twig pruner
(*Elaphidion villosus*)
Twig pruners
356
Two-marked treehopper
(*Enchenopa binotata*)
Two-spotted lady beetle
(*Adalia bipunctata*)
Two-spotted spider mite
(*Tetranychus telarius*)
Two-striped grasshopper
(*Melanoplus bivittatus*)
Two-striped walkingstick
(*Anisomorpha buprestoides*)

U

Ugly-nest caterpillar
(*Archips cerasivoranus*)
Unicorn caterpillar
(*Schizura unicornis*)
Unspotted tentiform leaf miner^c
(*Callisto geminatella*)

Variable oak leaf caterpillar
(*Heterocampa manteo*)
Varied carpet beetle
(*Anthrenus verbasci*)

V

Variegated cutworm
(*Peridroma saucia*)
Vedalia
(*Rodolia cardinalis*)
Vegetable weevil
(*Listroderes costirostris*
obliquus)
Velvetbean caterpillar
(*Anticarsia gemmatalis*)
Vespid wasps
146, 299, 447, 521
Vetch bruchid
(*Bruchus brachialis*)
Viburnum aphid
(*Anuraphis viburniphila*)
Virginia-creeper leafhopper
(*Erythroneura ziczac*)

W

Walkingstick
(*Diaperomera femorata*)
Walnut aphid
(*Chromaphis juglandicola*)
Walnut blister mite
(*Aceria erinea*)
Walnut caterpillar
(*Datana intergerrima*)
Walnut husk fly
(*Rhagoletis completa*)
Walnut scale
(*Aspidiotus juglansregiae*)
Walnut sphinx
(*Cressonia juglandis*)
Wasps
299, 318, 521, 888, 920, 1006,
1074, 1170, 1193, 1242, 1272
Waterlily aphid
(*Rhopalosiphum nymphaeae*)
Webbing clothes moth
(*Tineola bisselliella*)
Webworms
773, 1100, 1231, (1248), (1249),
(1250)
Weevils
353, 355, (1248)
Western bean cutworm
(*Loxagrotis albicosta*)
Western black flea beetle
(*Phyllotreta pusilla*)
Western bloodsucking conenose
(*Triatoma protracta*)
Western brown stink bug
(*Euschistus impictiventris*)
Western corn rootworm
(*Diabrotica virgifera*)
Western drywood termite
(*Incisitermes minor*)
Western flower thrips
(*Frankliniella occidentalis*)
Western grape leaf skeletonizer
(*Harrisina brillians*)
Western harvester ant
(*Pogonomyrmex occidentalis*)
Western hemlock looper
(*Lambdina fiscellaria lugubrosa*)
Western oak looper
(*Lambdina fiscellaria somnaria*)
Western peach tree borer
(*Sanninoidea exitiosa graefi*)
Western pine beetle
(*Dendroctonus brevicornis*)
Western potato flea beetle
(*Epitrix subcrinita*)
Western potato leafhopper
(*Empoasca abrupta*)
Western raspberry fruitworm
(*Byturus bakeri*)
Western spotted cucumber beetle
(*Diabrotica undecimpunctata*
undecimpunctata)

Western subterranean termite
(Reticulitermes hesperus)
Western tent caterpillar
(Malacosoma pluviale)
Western tussock moth
(Heemerocampa vetusta)
Western yellow-striped armyworm
(Prodenia praefica)
Wharf borer
(Nacerdes melanura)
Wheat curl mite
(Aceria tulipae)
Wheat head armyworm
(Faronta diffusa)
Wheat jointworm
(Harmolita tritici)
Wheat midge
(Sitodiplosis mosellana)
Wheat stem maggot
(Meromyza americana)
Wheat stem sawfly
(Cephus cinctus)
White apple leafhopper
(Typhlocyba pomaria)
White coffee borer^o
(Anthores leuconotus)
White-fringed beetles
(Graphognathus spp.)
White garden snail
(Theba pisana)
White grubs
(1247), (1249), 1282
White-lined sphinx
(Celerio lineata)
White-marked spider beetle
(Ptinus fur)
White-marked tussock moth
(Heemerocampa leucostigma)
White peach scale
(Pseudaulacaspis pentagona)
White-pine aphid
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144, 241, 277, 315, 345, 375,

544, 553, 659, 810

Malacosoma americanum (eastern tent caterpillar)

95, 196,

210, 241, 277, 312, 314, 332,

335, 336, 344, 345, 375, 407,

436, 443, 451, 467, 474, 477,

506, 515, 544, 553, 582, 590,

620, 732, 771, 796, 810, 1240,

1283, 1285

Malacosoma californicum (California tent caterpillar)

881

Malacosoma constrictum

477, 620

Malacosoma disstria (forest tent caterpillar)

213, 277, 315,

325, 345, 402, 451, 553, 582,

609, 619, 659, 660, 798, 810,

846, 1240

Malacosoma fragile (Great Basin tent caterpillar)

345, 375,

443, 515, 620, 659, 660, 668

Malacosoma pluviale (western tent caterpillar)

336, 345, 573,

682, 771

Malacosoma texanum

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Malacosoma tigris

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Maladera castanea (Asiatic garden beetle)

356, 568, 802, 888,

1066, 1158

Manestira brassicae (cabbage moth°)

38, 82, 182, 1098

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288, 289, 699, 737, 775, 814,

849, 884, 919, 1132, 1150

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1285

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1136

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1132

Megalopyge opercularis (puss caterpillar)

76, 299, 346, 952,

1116, 1130, 1150, 1212, 1225

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1186

Megaxyela langostoni (a xyelid sawfly)

199, 402

Melalgus confertus (a false powder-post beetle)

695, 721, 759

Melanaspis aliena (an armored scale)

58

Melanocallis caryaefoliae (black pecan aphid)

50, 198, 333, 612,

873, 939, 996, 1020, 1067, 1086,

1110, 1128, 1167, (1180), 1223,

1255

* Carried in CEIR Vol. 14 as.

Megaloceraea recticornis

Melanolestes picipes (an assassin bug)

886, 1226

Melanophila californica (California flatheaded borer)

(1178)

Melanophila drummondi (flatheaded fir borer)

(1178)

Melanophila picta (a buprestid beetle)

20

Melanoplus spp.

104, 269, 311, 369, 497, 533,

565, 601, 637, 673, 709, 710,

749, 750, 785, 786, 829, 830,

897, 929, 1043, 1084, 1109,

1187, 1206

Melanoplus bivittatus (two-striped grasshopper)

99, 100, 101, 102,

103, 401, 435, 461, 497, 533,

565, 601, 637, 673, 709, 749,

785, 786, 829, 830, 861, 862,

897, 929, 930, 961, 989, 1016,

1063, 1064, 1084, 1126, 1254

Melanoplus bruneri

1084

Melanoplus cinereus

786, 830

Melanoplus confusus

103, 435, 497, 601, 637

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565, 601, 637, 673, 709, 749,

750, 785, 786, 829, 830, 861,

897, 929, 961, 989, 1016, 1020,

1043, 1052, 1063, 1064, 1084,

1126, 1133, 1254

Melanoplus femurrubrum (red-legged grasshopper)

99, 100, 101, 102,

103, 435, 461, 497, 565, 601,

630, 637, 673, 709, 749, 750,

785, 829, 830, 861, 897, 929,

961, 989, 1016, 1043, 1064, 1084,

1087, 1109, 1126, 1133, 1142,

1163, 1187, 1208, 1238, 1254

Melanoplus occidentalis

101, 497, 601, 709, 830, 929, 961

Melanoplus packardii (Packard grasshopper)

99, 101, 102, 435,

461, 565, 601, 637, 673, 709,

749, 785, 829, 861, 862, 929,

930, 989, 1016, 1020

Melanoplus sanguinipes (migratory grasshopper)

99, 100, 101, 102,

103, 435, 461, 497, 533, 565,

601, 637, 638, 673, 709, 710,

749, 785, 786, 829, 830, 861,

862, 897, 929, 930, 961, 989,

1016, 1020, 1063, 1084, 1126,

1142, 1152, 1206, 1254

Melanoplus sanguinipes defectus

862

Malanoplus yarrowii

1020, 1067

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134, 466, 590, 605, 676, 909,

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447, 521, 666, 776, 1006, 1116,
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292, 305, 317, 378, 409, 447,
482, 520, 557, 588, 624, 630,
665, 699, 735, 776, 815, 886,
889, 917, 921, 951, 981, 1005,
1029, 1053, 1073, 1089, 1091,
1116, 1131, 1133, 1150

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21, 88, 216, 280, 286, 292,
293, 297, 317, 378, 447, 482,
521, 557, 624, 666, 699, 737,
777, 815, 850, 886, 919, 952,
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1240

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440, 653, 697

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451, 1273

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647, 759, 839

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412, 450, 484, 523, 560, 571,
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3	SOUTHWESTERN CORN BORER (<i>Zeadiatra grandiosella</i>) should read <i>Zeadiatraea grandiosella</i> .	281	AN OLETHREUTID MOTH (<i>Eucosma dorisignatana</i>) should read <i>Eucosma dorsisignatana</i> (same correction for DETECTION page 270).
7	A PARASITIC BRACONID (<i>Aphidius testaceipes</i>) should read <i>Lysiphlebus testaceipes</i> .	283	Fourth paragraph BANDED GREENHOUSE THRIPS (<i>Hercinotrips femora</i> (Reuter)) should read <i>Hercinotrips femoralis</i> (Q. M. Reuter).
21	Last paragraph, sixth line from bottom - DURRA ANDAT BUG (<i>Agonoscelis pubescens</i>) should read <u>SUDAN DURRA BUG</u> .	296	TICKS, primarily LONE STAR TICK (<i>Amblyomma americanum</i>) should read <i>Amblyomma americana</i> .
50	Tenth paragraph, line 5 - <i>Coccinella sanguinea</i> should read <u>Cycloneda sanguinea</u> .	305	Second paragraph, line 4 - A MARCH FLY (<i>Dilophus strigulata</i>) should read <i>Dilophus strigilatus</i> .
51	Coccids in Florida - <i>A. jugulansregiae</i> should read <i>A. juglansregiae</i> .	340	A DRYWOOD TERMITE (<i>Cryptotermes</i> sp.) should read A <u>POWDER-POST</u> TERMITE (<i>Cryptotermes</i> sp.).
57	<i>Clavaspis herculeana</i> (Doane & Hadden) should read <u>Aspidiotus herculeanus</u> (Cockereil & Hadden).	341	A PRICKLYPEAR WEEVIL (<i>Gerstaeckeria</i> sp.) should read <i>Gerstaeckeria</i> sp.
67	GALL MIDGES (<i>Cecidomyia</i> spp.) - line 4 - <i>C. pseudotsugae</i> should read <u>Contarinia pseudo-</u> <u>tsugae</u> .	348	Third paragraph - <i>Physonota alutacea</i> should read <i>Physonota alutacea</i> .
87	AN ORCHID SCALE (<i>Genaparlatoria pseudaspidiotus</i>) should read AN ARMORED SCALE (<u>Parlatoria pseudo-</u> <u>aspidiotus</u>).	351	A STINK BUG (<i>Elasmotethus interstinctanus</i>) should read <i>Elasmotethus interstinctus</i> .
90	A GRASS BUG (<i>Arhyssus idenatus</i>) should read A <u>COREID</u> BUG (<i>Arhyssus indentatus</i>).	355	First line - <i>Pyraustia orphisalis</i> should read <i>Pyrausta orphisalis</i> .
110	A CENTIPEDE (<i>Geophilomorpha</i> sp.) - should read A CENTIPEDE <u>belonging to the order</u> <i>Geophilomorpha</i> and a crane fly...	358	Fifth paragraph, line 6 - <i>Aspidiotus degeratus</i> should read <i>Aspidiotus degeneratus</i> .
121	DINGY CUTWORM (<i>Feltia ducens</i>) should read A <u>CUTWORM</u> (<i>Feltia ducens</i>).	376	A PYRALID MOTH (<i>Herculia phoezalis</i>) should read <i>Herculia phaezalis</i> .
136	Fourth paragraph - CORN LEAF BLOTCH MINER (<i>Agromyza parvicornis</i>) should read CORN <u>BLOTCH</u> <u>LEAF MINER</u> (<i>Agromyza parvicornis</i>).	376	COCCIDS - CALIFORNIA - <i>Aspidiotus degenerata</i> should read <i>Aspidiotus degeneratus</i> .
150	A TARO LEAFHOPPER (<i>Tarophagus prosperina</i>) should read <i>Tarophagus proserpina</i> .	376	ERIOPHYID MITES - <i>Trisetacus</i> sp. should read <i>Trisetacus</i> sp., <i>Nalepella tsugifolia</i> should read <i>Nalepella tsugifoliae</i> .
160	Fifth paragraph, line 7 - DINGY CUTWORM (<i>Feltia ducens</i>) should read A <u>CUTWORM</u> (<i>Feltia ducens</i>).	387	Fourth paragraph, line 11 - <i>Microcentrus gifuensis</i> should read <i>Macrocentrus gifuensis</i> .
179	NOCTUID MOTHS - WISCONSIN - <i>Lithophane laticinera</i> should read <i>Lithophane laticinerea</i> .	389	LADY BEETLES - <i>Rhizobius satellus</i> should read <i>Rhizobius satelles</i> .
185	Third paragraph, line 5 - <i>Lithocolletes blancardella</i> should read <i>Lithocolletis blancardella</i> .	406	PHYCITID MOTHS (<i>Dioryctria</i> spp.) - <i>D. calrionalis</i> should read <i>D. clarioralis</i> .
185	UNSPOTTED TENTIFORM LEAF MINER (<i>Calisto geminatella</i>) should read <i>Callisto geminatella</i> .	517	APHIDS - WASHINGTON - <i>Cinara winonkae</i> should read <i>Cinara tujaefilina</i> .
198	Eighth paragraph, line 9 - <i>R. saavis</i> should read <i>R. suavis</i> .	567	Last paragraph - A chalcid parasite (<i>Tetrastichus</i> sp.) should read a <u>eulophid</u> (<i>Tetrastichus</i> sp.).
222	BENEFICIAL ORGANISMS - Line 12 - A PARASITIC APHELINID (<i>Aphytis holoxanthus</i>) should read A <u>EULOPHID</u> (<i>Aphytis holoxanthus</i>)	569	ALFALFA WEEVIL (<i>Hypera postica</i>) - INDIANA - <i>Palyra</i> should read <i>Palmyra</i> .
223	Line 3 - A LEAF MINING HISPID (<i>Octotoma scabripennis</i>) should read A <u>LEAF BEETLE</u> (<i>Octotoma scabripennis</i>).	582	MAY BEETLES (<i>Phyllophaga</i> spp.) - <i>P. implicata</i> should read <i>P. implicita</i> .
230	Second paragraph, line 8 - A PYRALID MOTH (<i>Noctuella rufofascialis</i>) should read A <u>PYRAUSTID</u> <u>MOTH</u> (<i>Noctuella rufofascialis</i>).	601	Line 22 - <i>Trachyrachys kiowa</i> should read <i>Trachyrachys kiowa</i> .
258	COWPEA WEEVIL (<i>Chalcodermus aeneus</i>) should read COWPEA <u>CURCULIO</u> (<i>Chalcodermus aeneus</i>).	615	A LEAFHOPPER (<i>Paraphepsinus strobil</i>) should read <i>Paraphepsius strobil</i> .
260	ASPARAGUS BEETLE (<i>Crioceris asparagi</i>) should read <i>Crioceris asparagi</i> .	628	A CHALCID (<i>Tetrastichus incertus</i>) should read A <u>EULOPHID</u> (<i>Tetrastichus incertus</i>).
		628	A CHALCID (<i>Tetrastichus</i> sp.) should read A <u>EULOPHID</u> (<i>Tetrastichus</i> sp.).
		629	Third paragraph, line 5 - <i>Cylosorus dentatus</i> should read <u>Cyclosorus</u> <i>dentatus</i> .

Corrections in Volume 14

Page	Correction	Page	Correction
646	A LEAF BLOTCH MINER (<i>Lithocolletes crataegella</i>) should read <i>Lithocolletis crataegella</i> .	1264	A NOCTUID MOTH (<i>Sesamia nonagriodes</i>) should read <i>Sesamia nonagrioides</i> .
659	AN ERIOPHYID MITE (<i>Nalepella tsugifolia</i>) should read <i>Nalepella tsugifoliae</i> .	1270	A SUGARCANE ROOTSTALK BORER (<i>Diaprepes abbreviatus</i>) should read <i>Diaprepes abbreviata</i> .
696	PLANT BUGS - CALIFORNIA - <i>Largus cinctus californicus</i> should read A <u>PYRRHOCORID</u> BUG (<i>Largus cinctus californicus</i>).	1305	FLORIDA - <i>Creontiades rubrinervis</i> should read <i>Creontiades rubrinervis</i> .
702	A MELYRID BEETLE (<i>Collops hertella</i>) should read <i>Collops hirtella</i> .	1309	A PYRALID MOTH (<i>Aglossa cuprealis</i>) should read <i>Aglossa caprealis</i> .
731	A PINE TWIG BEETLE (<i>Pityophthorus confinus</i>) should read <i>Pityophthorus confinis</i> .		
733	PAVEMENT ANT (<i>Tetramorium caespitum</i>) should read <i>Tetramorium caespitum</i> .		
737	A SARCOPHAGID FLY (<i>Wohlfahrtia vigil</i>) should read <i>Wohlfahrtia vigil</i> .		
764	A LACE BUG (<i>Piesma cinerum</i>) should read A <u>PIESMATID</u> BUG (<i>Piesma cinereum</i>).		
780	A SCARAB (<i>Pleurophorus caesus</i>) should read <i>Pleurophorus caesus</i> .		
786	Line 35 - <i>Aeoloplides tenuipennis</i> should read <i>Aeoliplides tenuipennis</i> .		
811	COTTONWOOD BORER (<i>Plectodera scalator</i>) should read <i>Plectrodera scalator</i> .		
851	ANTHRICID BEETLES (<i>Notoxus</i> spp.) should read ANTHICID BEETLES (<i>Notoxus</i> spp.).		
906	A CLOVER SEED CHALCID (<i>Burchophagus platyptera</i>) should read <i>Burchophagus platyptera</i> .		
911	COWPEA APHID (<i>Aphis medicaginis</i>) should read <i>Aphis craccivora</i> .		
912	COTTON LEAF PERFORATOR (<i>Bacculatrix thurberiella</i>) should read <i>Bucculatrix thurberiella</i> .		
921	AN ALKALI BEE PARASITE (<i>Zodion obliquefasciatus</i>) should read <i>Zodion obliquefasciatum</i> .		
944	COWPEA APHID (<i>Aphis medicaginis</i>) should read <i>Aphis craccivora</i> .		
949	COTTONWOOD BORER (<i>Plectodera scalator</i>) should read <i>Plectrodera scalator</i> .		
950	Second paragraph, line 11 - <i>Erranis tiliaria</i> (linden looper) should read <i>Erannis tiliaria</i> (linden looper).		
1004	A LEAF ROLLER (<i>Anchyloperda spireaeifolia</i>) should read AN <u>OLETHREUTID</u> MOTH (<i>Anchyloperda spireaeifolia</i>).		
1023	RASPBERRY CROWN BORER (<i>Bembecia marginata</i>) should read <i>Bembecia marginata</i> .		
1091	COCCIDS - <i>Kermes boguei</i> should read <i>Kermes bougei</i> .		
1136	PLANT BUGS - <i>Megalocera recticornis</i> should read <i>Megaloceraea recticornis</i> .		
1167	AN OAK KERMES SCALE (<i>Kermes boguei</i>) should read <i>Kermes bougei</i> .		
1168	A RHOPALID BUG (<i>Niestrea sidae</i>) should read <i>Niesthrea sidae</i> .		
1168	A BRUSH-FOOTED BUTTERFLY (<i>Agraulis vinillae</i>) should read <i>Agraulis vanillae</i> .		
1225	NOTODONTID MOTHS - ARIZONA - <i>Catabena</i> sp. should read A <u>NOCTUID</u> MOTH (<i>Catabena</i> sp.).		

CORRECTIONS TO THE INDEX OF VOL. 13

4	Baluchistan melon fly (<i>Myiopardalis paradalina</i>) should read <i>Myiopardalis pardalina</i> .
25	<i>Errastus ocellaris</i> should read <i>Errastus ocellaris</i> .
28	<i>Holocera iceryaeella</i> should read <i>Holocera iceryaeella</i> .
29	<i>Hypodeocoris imperialis</i> should read <i>Hypodeocoris imperialis</i> .
33	<i>Myiopardalis paradalina</i> should read <i>Myiopardalis pardalina</i> .
39	<i>Rhagoletis saavis</i> should read <i>Rhagoletis saavis</i> .
42	<i>Tarsonemus sertifer</i> should read <i>Tarsonemus setifer</i> .
42	<i>Typhaea stercorea</i> should read <i>Typhaea stercorea</i> .

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